



— Y-12 BULLETIN

A Newspaper For Y-12 Employees of Union Carbide Corporation—Nuclear Division

VOL. 21 — NO. 43

OAK RIDGE, TENNESSEE

Wednesday, November 15, 1967

Honor Roll

Congratulations to the following departments who have reported 100 percent participation in the United Fund. This means every person gave. Congratulations, again!

Maintenance Administration
Safety Department
Plant Records Department
Process Analysis
Engineering Mechanics
Environment Control Engineering
Electrical Engineering
Industrial Relations Administration
Publications
Training Department
Labor Relations
Benefit Plans
Employment
Traffic Department
Cashier & Travel
Tool Procurement
Accounting & Budget
Development Operations
Quality Assurance
Wage Standards, Personnel Records
Maintenance Administrative Services
Material Control
General Plant Tooling Coordination
Management Information Systems
Superintendents Department
Product Information Center
Material Procurement
SS Control
Production Analysis
Quality Liaison
SS Shipping and Warehousing
Engineering Division Administration
Chemistry Development
G-3 Processing
Recreation
Garage
Materials & Services Administration
Production Scheduling
Dispatching Department
Technical Publications
Specifications & Systems
Quality Assurance Inspection
Laboratory Operations
Fire Prevention
Security
Shift Superintendents

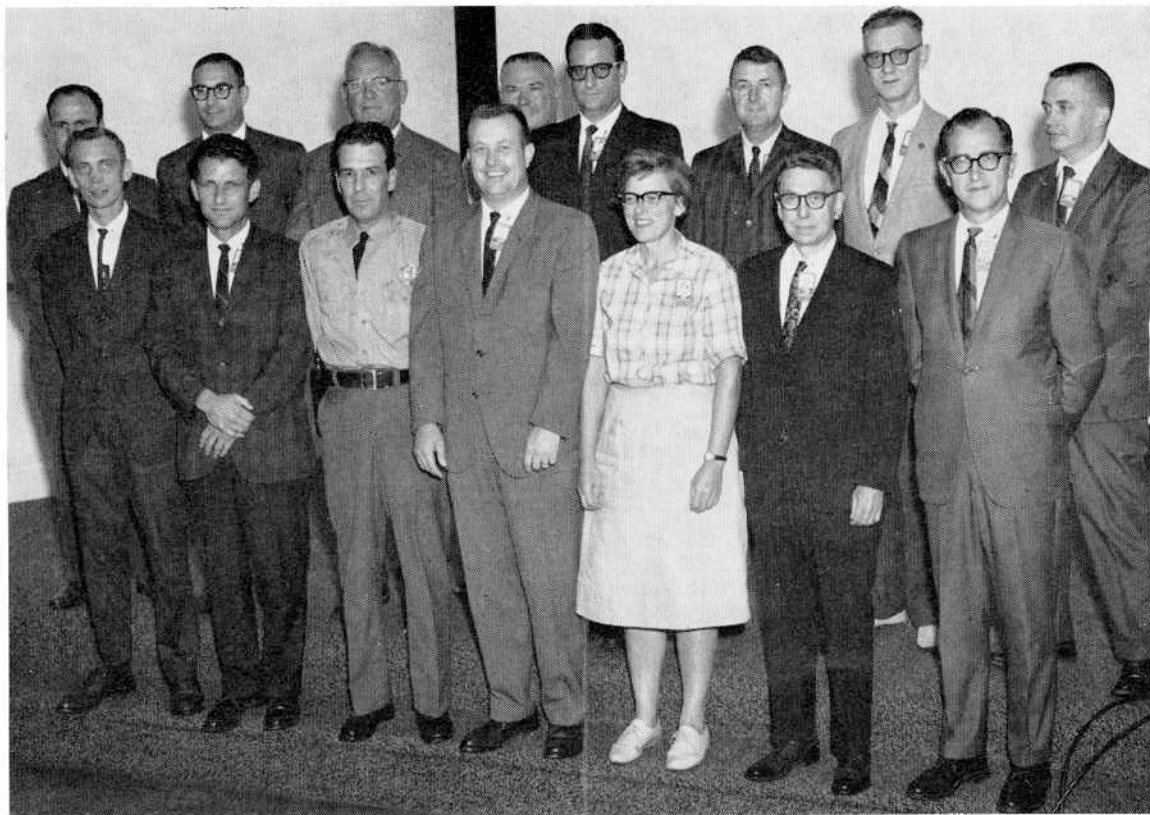
Rutger's Harrington Physics Seminar Guest

D. R. Harrington, Rutgers University, will lead this week's Physics Division seminar. His subject will be "A Three-Alpha Model for C¹²."

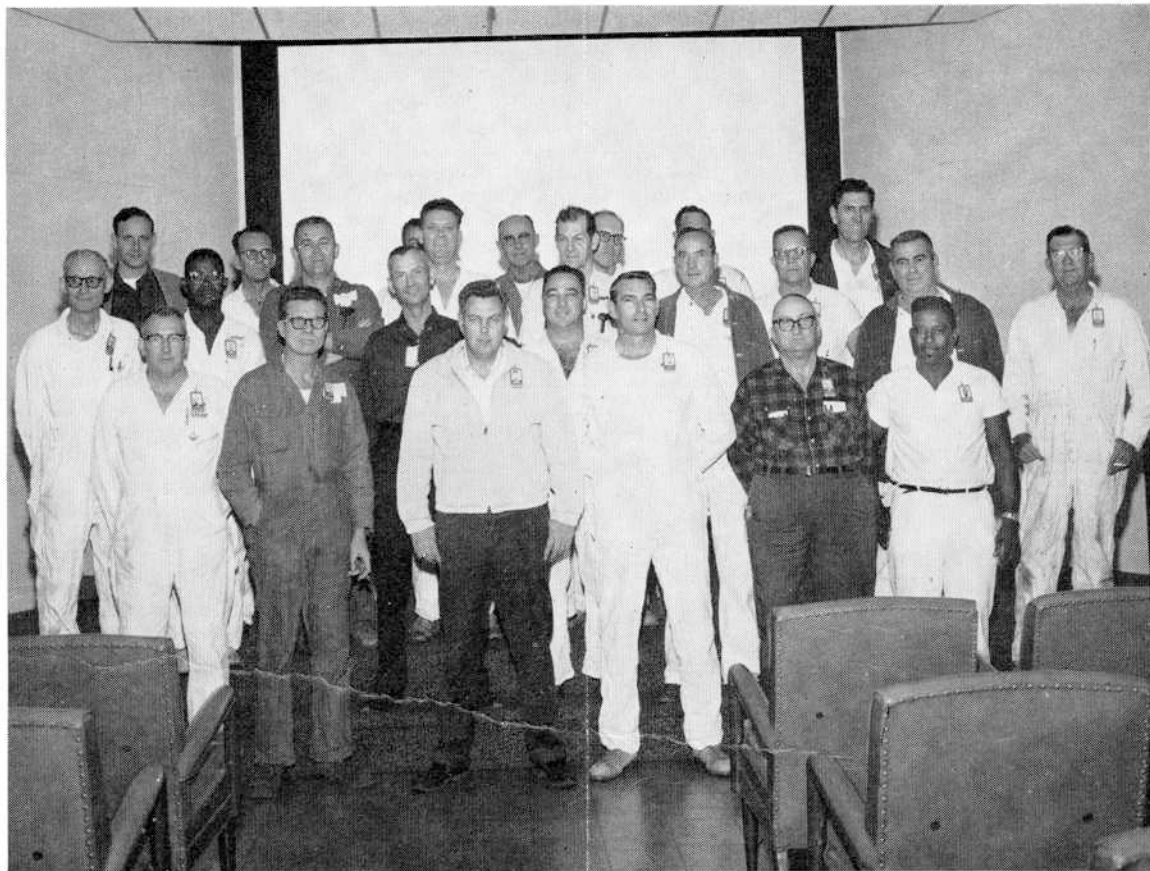
The seminar is slated for Friday, November 17, at 3:15 p.m. in the East Auditorium, of ORNL's 4500 building.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
45 Days Or
1,389,000 Man-Hours
(Unofficial Estimate)
Through November 12
Without a Disabling
Injury
Safety At Home
At Work, At Play



CONGRATULATIONS TO THE DIVISIONAL solicitors and coordinators for the 1967 United Fund Drive for Y-12 employees. From left, front row, they are Bill Moles, auditor; Newt Hamby, Technical Services; Glenn A. Atchley, representing the International Guards of America; Clyde C. Hopkins, superintendent of Accounting and Budgets, who headed the Y-12 Drive; Anna Dobbins, Development; John Harding, Maintenance; Harold Alvey, Technical; and back row, Bob Creigh, Superintendents; Ed Del Grande, Industrial Relations; H. N. Benninghoff, Shift Superintendents; Milt Dickens, Assembly; Herb Reynolds, Materials and Services; Joe Raper, Assembly; Jim Thorpe, Metal Preparation; and Jerry Dunne, Accounting and Budgets.



UNION OFFICIALS COLLECTED more than \$25,000 for the United Fund in the recent campaign. The solicitors above represented the Atomic Trades and Labor Council and its affiliated locals. They are, from left, front row, C. F. Jenkins, C. F. Cawood, B. W. Hensley, R. M. Roark, J. V. Welch and H. S. McClellan. In the second row are W. R. Jones, R. C. Hill, F. K. Clabough, R. C. Crawford, C. E. Robinson, president of the ATCL, AFL-CIO; C. M. Buttram, D. E. Floyd and H. F. Plyman. In the last row are J. A. Lane, C. J. Cumbrie, F. E. Clevenger, George Stubbs, A. D. Cotton, P. A. Cuthbertson, F. D. Bradburn, Rembert Harris, partially hidden, and George McNabb. R. H. McNabb (or "Red") who did an outstanding job as solicitor, is not seen. The unidentified man behind George Stubbs does not show enough of his face for identification. Sorry.

Football Games Preempt '21st Century' Program

"The 21st Century" television series will resume on Sunday, program has been preempted by football telecasts. Sponsored by The program is carried locally on WBIR-TV, Channel 10.

ENJOY, ENJOY!

Enjoy whatever you attempt. Remember, it's a mark of intelligence, no matter what it is you are doing, to have a good time doing it.

United Fund Increases Are Noted In Y-12

CONGRATULATIONS, YOU HAVE DONE IT!

Thus, the happy word came from H. F. McDuffie, chairman of the United Fund for Union Carbide in this area.

The Y-12 plant, in figures compiled through November 10, showed a total of \$77,511.71 given or pledged in the campaign. Of this amount \$43,586.09 will go to Anderson County; \$21,775.35 to Knoxville; \$7,981.77 to Roane; \$2,521.88 to Loudon; \$28 to Morgan . . . with the remaining amounts going to various others.

Participation in this year's drive increased considerably; figures show that 91.62 per cent of the plant's population gives. Per capita giving is up also . . . to \$16.46 per employee (this includes the more than nine per cent who do not give) which naturally brings the average contribution down considerably.

C. C. Hopkins, who headed the drive in Y-12, paid special thanks to solicitors and workers throughout the plant for their increased efforts.

For the first time, union members were solicited by union representatives this year. Employees represented by the Atomic Trades and Labor Council and its affiliated local unions contributed in excess of \$25,000 to Y-12's drive in 1967. These locals include Local Union 52 Asbestos Workers; Local Union 166 BSEIU; Local Union 33 Boilermakers; Local Union 3 Bricklayers; East Tennessee District Council of Carpenters; Local Union 252 ICWU; Local Union 623 Culinary; Local Union 760 IBEW; Local Union 480 Machinists; Local Union 900 Operating Engineers; Local Union 1805 Painters; Local Union 718 Pipefitters; Local Union 384 Ironworkers; Local Union 51 Sheetmetal Workers; and Local Union 519 Teamsters.

The employee fund drive was also endorsed by the local unit of the International Guards of America.

Assembly Division was listed in the "Top Ten" divisions throughout Union Carbide Installations here, because of their exceeding their goal.

The three Carbide plants donated in excess of \$25,000 more this year to the various agencies than they did last year . . . and last year's contributions were pace-setters.

A breakdown of goals and departments in the plant that met or went over their established goals will be published in next week's Bulletin.

Thanksgiving Official Holiday For Y-12ers

Next Thursday, November 23, is an official holiday for most Y-12ers. The nation pauses in its affluence to give thanks for its abundance . . . of both material and spiritual blessings. No employee will be required to work except those whose presence is needed for the protection of continuous operation of the plant.

The Bulletin How I Stopped Smoking And Learned To Live With Myself!

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



NUCLEAR DIVISION

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B. C. Dixon Dies Sunday, November 5

The death of Mr. Bliss C. Dixon, Dimensional Inspection, is sadly recorded. He died Sunday, November 5, at his Oak Ridge home, 121 Quincy Avenue.

A native of Friendsville, Mr. Dixon came here August 4, 1944



... he transferred to Y-12 from K-25 August 1, 1958. Prior to his Oak Ridge employment he was with the C. H. Bacon Company, Lenoir City; Continental Roll and Steel, East Chicago; and the Pullman Standard Car Manufacturing Company, Hammond, Indiana.

Survivors include his wife Mrs. Beulah Buckner Dixon, at home; a daughter, Mrs. Charlene Little, Chattanooga; and a brother, John H. Dixon, Lenoir City.

Mr. Dixon was a member of the Robertsville Baptist Church.

Funeral services were held Tuesday, November 7, at 2 p.m. at the Weatherford Chapel, Oak Ridge, with the Reverend W. C. Summar officiating. Burial followed in the Loudon County Memorial Gardens.

Sincere sympathy is extended the Dixon family.

Special Librarians To Hear Former Y-12er

The Southern Appalachian Chapter of the Special Libraries Association will hear a former Y-12er this week. Herb White, who was with the Technical Library in Y-12, from 1953-54 will speak to the group tomorrow, Thursday, November 16, at the Senator's Club, Knoxville.

A social hour is set for 6:30... with dinner to begin at 7:30.

White is presently executive director of NASA's Scientific and Technical Information Facilities at College Park, Maryland.

All members are urged to attend this interesting meeting.

Amati Trio Will Play In UT's Music Building

The famous AMATI Trio, from Iowa State University, will perform in concert Saturday, November 25, at 8 p.m. in the Music Building Auditorium on the University of Tennessee campus.

They will play Beethoven's Trio in C Minor, Walter Piston's Trio in E Minor, and Brahms' Trio in B Major.

Tickets, for \$2, are available in Oak Ridge at the Clark-Jones Music Store.

(Editor's note: The following treatise is offered for those Y-12ers who wish to stop smoking. While there are some brand-name cigarettes mentioned in the article, no single manufacturer of the 'weed' is singled out. Author Crow uses the names because they fit into his campaign against advertising the stuff.)

By Bill Crow

I was robbed. For 25 years I was robbed. Robbed of my health, robbed of my money and only time can tell of how many years of my life.

I was robbed by a smart ad man and these—

I suppose it all started about 35 years ago when the comic section of every Sunday paper had a vignette in cartoon form featuring one of the current sports heroes which always ended with his saying, "I'd walk a mile for a Camel."

I didn't realize it at the time, but some smart ad man had conceived the idea of putting a cigarette ad in the form of a comic strip so he could start brainwashing us as soon as we were able to read.

Parents Contribute Too

Even our parents unwittingly conspired then by saying, "Good boys don't smoke, it will stunt your growth, wait until you are grown." Consequently, smoking was being equated with manhood. It's small wonder that I was eager to smoke so everyone would know that I was a grown man. And apparently, things haven't changed much. Recently, my 16-year-old son told me he was thinking about starting to smoke—I was dumb-founded.

I asked him why he would consider such a thing after seeing one of his grandfathers die of lung cancer and the other had emphysema before he died of a heart attack. I preached a little more and then asked him if he realized that every adult over 25 that smoked would give almost anything if he could quit smoking and he rejoined, "Yes, and do you know that every boy over 14 would give anything if he could smoke?"

Became A Slave

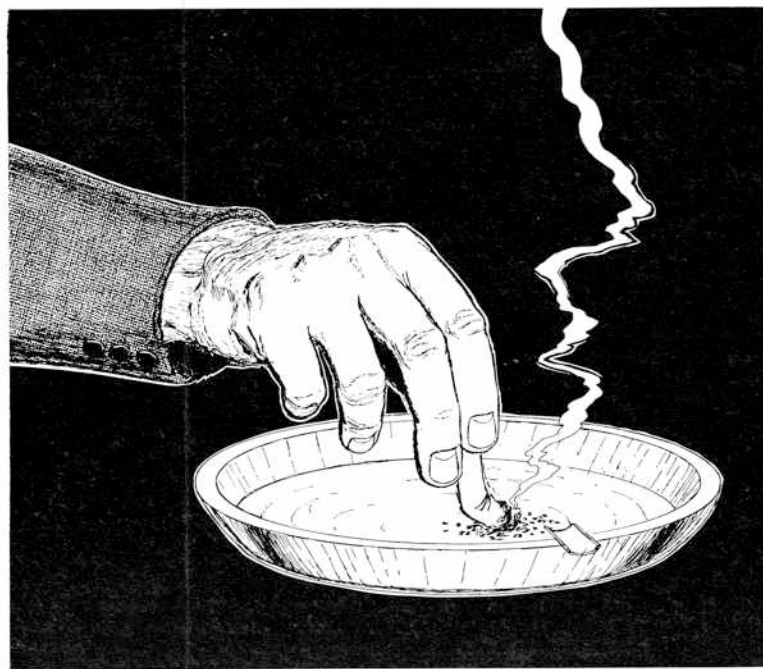
At 17, I started smoking regularly, probably a pack a day and gradually increased it until I was smoking more than three packs a day. I was virtually a slave to cigarettes.

An article in the November's READER'S DIGEST lists three types of smokers, (1) the tension smoker—that's the person who lights a cigarette in time of pressure, anger or uncertainty; (2) the habitual smoker—or the person who smokes heavily and unconsciously only on special occasions; and (3) the type was the addict—he looked upon the cigarette as a friend and even the thought of cutting down made him nostalgic. In analyzing these types, I could see myself in all three. My days seemed to be just one long cigarette, because I lit a cigarette immediately upon arising and put one out just before I crawled into bed at night.

I continued to smoke in spite of the rumors that cigarettes might cause lung cancer; I continued to smoke in spite of the fact that my father—a heavy smoker—died of lung cancer. I continued to smoke in spite of the Surgeon General's Report that not only linked cigarette smoking with lung cancer, but with heart disease, emphysema and many other diseases.

It's Easy To Quit

Not that I didn't try to quit. Why, I became the walking example of the saying, "It's easy to quit smoking, I've quit a million



times." The hard part is staying quit.

I tried all of the tricks for quitting. First, I quit cigarettes and started smoking cigars. At the beginning, I smoked one cigar a day and didn't inhale. Before I went back to cigarettes, I was smoking 14 cigars a day, inhaling, and enjoying every puff.

I tried Bantron and it made me so nervous I couldn't stand myself.

I carried an old pipe to suck on but all it did was give me the hiccups.

I tried carrying an unlit cigarette to draw on when I wanted to smoke but I always ended up lighting it.

Pills Taste Bad

I tried taking pills that made cigarettes taste bad—they did, so I quit taking the pills.

I tried substituting lemon drops for cigarettes and do you know, that is the closest I came to stopping smoking. My tongue was so sore I could hardly smoke.

I tried carrying just five cigarettes but have you ever counted how many cigarettes you are offered in a day? Also, when you are trying to quit smoking, it seems that the whole world revolves around a cigarette. Let's face it, there is no habit quite like the cigarette habit.



Mid-November comes and finds a few more Y-12ers observing important birthdays with Union Carbide Corporation. Congratulations.

20 YEARS

Danty T. Cook, Alpha Five Machine Shop, November 17.

Theodore R. Jordan, Buildings, Grounds and Maintenance Shops, November 17.

15 YEARS

Kenneth S. Murphy, General Can Fabrication Shop, November 18.

Hacker Woodby, Process Maintenance, November 18.

John F. Hood, Buildings, Grounds and Maintenance Shops, November 19.

Craig Waldroup, Beta Four Heavy Machine Shop, November 19.

10 YEARS

Ralphie A. Mullins, Arc Melting, November 18.

In God we trust, but we depend upon you for security.

Members Refused Quitting

Why, even one of the members of the Advisory Committee that helped prepare the report to the Surgeon General continued to smoke in spite of the evidence that he helped gather—until he developed lung cancer.

If it were anything but tobacco, the FDA would have banned it long ago or the public would be up in arms typing to get the Federal Government to do something about it.

Maybe you remember several years ago when the story came out about part of the cranberry crop being contaminated with a carcinogenic agent. This almost wrecked the cranberry industry. People not only boycotted fresh cranberries, but they also refused to buy cranberry juice, jelly, or canned cranberries.

More Start Smoking

Yet, with all of the evidence against cigarettes, people continue to smoke over four billion cigarettes a year and for every adult that quits smoking, there are probably a thousand teenagers that start.

Yes, the cigarette habit is an insidious thing; I continued to smoke and hated every one of them. Then one day I bought a book entitled, "The Painless Way to Stop Smoking." Now I wish I

could say that after reading this book I quit smoking, but I can't. However, it did give me an insight into smoking that I hadn't considered before. It pointed out that while habits are formed by the conscious mind, they are maintained by the sub-conscious. Which makes sense, as one of the definitions of a habit is "an acquired mode of behavior that has become completely or nearly automatic." It also pointed out that you can't break a habit by will power alone. Any time the conscious mind or will power clashes with the sub-conscious, the sub-conscious always wins. Which means that first you must convince your sub-conscious that it wants to quit smoking.

Advertising Scored

That is not an easy thing to do when you realize that you have been conditioned to believe that smoking is a wonderful thing as far back as you can remember. And today, with radio and television, a person is being constantly bombarded with cigarette propaganda. Millions of dollars are spent each year on all forms of advertising to give us the impression that cigarettes can make up for a number of our shortcomings.

This book recommends that you should start to condition your sub-conscious by hypnosis, which I didn't do, but secondly, it suggests that you start paying attention to the cigarette advertising and mentally debunking it. For instance, if a guy takes a long draw and tells you how wonderful it is, take a long draw on yours to see if you get the same reaction. Try a Kool or a Salem and see if you feel the fresh breezes of Spring. Does a Winston taste good like a cigarette should? Would you really rather fight that switch? The most ridiculous one yet is the guy who shouts at his wife, "Not Lucky Strike, Lucky Strike Hundreds." When you start analyzing the cigarette commercials, you find that they are an insult to the adult intelligence, and why not? Most of them aren't meant for us, they are meant for the teenagers.

Substitute Habit

The book also suggests that when you try to break a habit, you should replace it with another habit and it suggests that you replace smoking with deep breathing.

About a year after reading this book and arguing with the cigarette ads, I was reading the paper and puffing on a cigarette when a pain shot across my chest. Immediately the thought ran through my mind, "Is that my heart or a tumor growing?" Then the irony of it all hit me, here I was worrying about cigarettes killing me and smoking one at the same time. I put out the cigarette and quit smoking.

As a substitute habit, I not only tried deep breathing, but I also started a routine exercise.

No Weight Gain!

Everyone told me I would gain weight but I was determined to lose weight and to the amazement of everyone, including my doctor, I was 12 pounds lighter one year after I had quit smoking.

Oh, it wasn't painless as the book says, but I can truthfully say that except for the first few days, I never really craved a cigarette. On the contrary, every day I thank God that I was able to quit smoking.

So if you have been trying to quit smoking, don't give up hope. Just picture the cowboy with a tattoo on his hand, sitting on his horse, looking out over a big cemetery and saying, "Man, that's Marlboro Country."



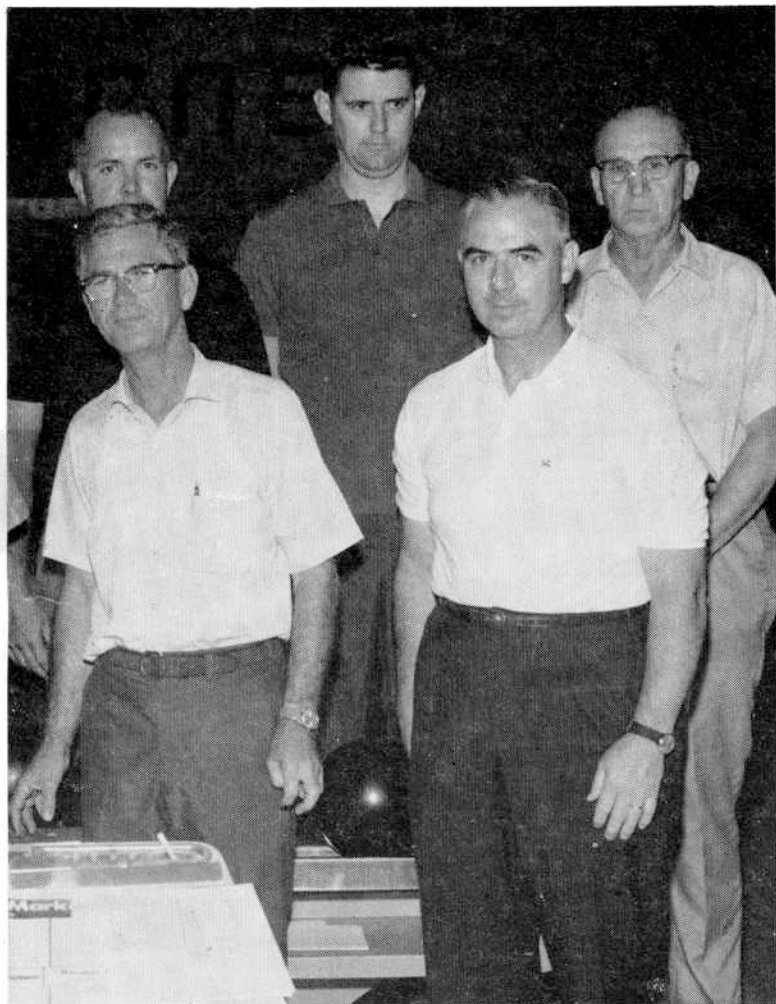
Here's a dandy word—GLITCH.

The space age has created many new words for our vocabulary. One such word is "glitch." It means a fluff, foul-up, or sort of a gremlin-laid-on-hitch. We haven't received any green sheets from any gremlins but by our usual procrastination we are about to give Father Time a chance to make his play.

Deadline for green sheets—December 31.

Stretch Fiber Field Entered By Carbide

Union Carbide has entered the Spandex fiber field with stretch products for hosiery. The new fiber has excellent elasticity and recovery. It will be marketed under the UNEL brand name. Hanes Hosiery is using UNEL spandex in its line of support hosiery, "Alive." The urethane-based fiber is being produced at the Institute, West Virginia, plant.



THE HAS BEENS pose a big threat to any competitor in the Classic league. In the front row are Rudy Peltz and Captain Jack McLendon. In back are Sewell Brown, Jim Disney and Roy Roberts.

Roses 'N Thorns Edge Up In Mixed

The Roses 'N Thorns moved up in Mixed League Bowling last week, with a three point win over the Twisters. Other three point wins saw other teams advance, as the Rollers rolled over the McSprays, and the Goofers gained ground on the Hits & Misses. The Alley Cats, with top series rolling, punched the Mustangs for three.

Gwen McLaughlin, McSprays, rolled a 202 scratch single, 240 handicap! Her 500 scratch series, 614 handicap were high, naturally. Chris Mooney, Alley Cats, took all male honors . . . singles of 217 scratch, 248 handicap . . . series of 570 scratch, 663 handicap.

The McSprays made the boards in singles . . . 681 scratch, 837 handicap . . . while the Alley Cats captured series highs . . . 1862 scratch, 2327 handicap.

League standings follow:

Team	W	L
Hits & Misses	25	15
Roses 'N Thorns	23	17
Rollers	21½	18½
Goofers	21	19
McSprays	21	19
Alley Cats	21	19
Mustangs	18	22
Twisters	9½	30½

Volleyball, Basketball Beginnings Are Slated

Volleyball is scheduled to begin for Y-12ers tomorrow, Thursday, November 16. Basketball will get underway next week.

No games are set for Thursday week, November 23, because of the Holiday.

Seat Belt Facts

If every motorist fastened his seat belt for every trip . . . short as well as long . . . 8,000 to 10,000 lives would be saved each year, estimates the National Safety Council . . . and the number and severity of injuries would be dramatically reduced.

All Stars Like Top Classic Berth

The All Stars liked their position as leaders in the Classic Bowling League, and whalloped the Has Beens for four points last week, for the only sweep in the league.

Three points were gleaned by the Rebels over the Screwballs, the Swingsters past the Playboys, the Bumpers over the Rippers, the Eightballs by the Smelters, the Splinters past the Pinbusters, the Cubs over the Tigers, and the Eagles by the Markers.

Tom Watts, All Stars, rolled a 235 single scratch game. John Tolle, Eightballs, was best in handicap counting . . . singles of 246, series of 659. Norm Jarvis, Rebels, posted a 570 scratch series.

The Playboys played high in single counts . . . 892 scratch, 1039 handicap; while the Swingsters took series highs . . . 2513 scratch, 2901 handicap.

League standings follow:

Team	W	L
All Stars	29	11
Rebels	25	15
Swingsters	25	15
Has Beens	24	16
Bumpers	23½	15½
Markers	22½	17½
Playboys	22	18
Eightballs	21	19
Smelters	20	20
Splinters	20	20
Tigers	19	21
Pinbusters	16½	23½
Cubs	16½	23½
Rippers	14	26
Eagles	14	26
Screwballs	8	32

Plastic Bags Make Good Purse Liners

Here's a handy tip from Union Carbide's "Glad" home service group for women who want to be able to change their hand bags in a hurry: use a plastic bag as a liner in your purse. When changing from one to another, just lift the bag, contents included, and transfer. Keeps the inside of purses clean too.

Don't be an invitation to espionage.

Wyatt, Norris, And Smith Down Foes

Lloyd Wyatt kept a slim lead in the X Table Tennis League last week with a three-game win from Bill Foutz. Geoff Newman also downed Herve Derrien for three. Roy Huddleston downed Foutz for three . . . and lost three to Herb Mook.

Derrien downed Foutz for two. X League standings:

Player	W	L
Lloyd Wyatt	12	3
Geoff Newman	11	4
Bill Motley	10	5
Roy Huddleston	9	9
Herb Mook	7	8
Herve Derrien	6	9
Bill Foutz	2	13
Subbu Raman	0	3

In Y League action Al Norris won three from Rokuro Oyamada . . . two from Bob Coveyou. Gordon Brewer downed Bob Brown for three . . . and Ed Gambill won three from Brown, Oyamada and Fred Wetzel.

Paul Kasten captured three at the expense of Art Weinberger.

Y League standings:

Al Norris	15	3
Gordon Brewer	13	2
Ed Gambill	11	1
Robert Coveyou	8	7
Paul Kasten	8	7
Fred Wetzel	7	8
Francois Kertesz	5	10
Bob Brown	2	16
Rokuro Oyamada	0	6
Art Weinberger	6	6

Bob Smith dominated the Z League with big wins over Jim Hallau, Winfred Collins, Dave Allen and two from A. B. Meservy. Meservy downed Collins for three, Bill Hackett for two.

Collins won three from Hallau. Allen clipped Hallau for two.

Z League standings:

Bob Smith	17	1
A. B. Meservy	11	7
Joe Lewin	10	5
Bill Hackett	8	7
Winfred Collins	5	10
Dave Allen	4	11
Jim Hallau	4	14
Tudor Boyd	2	4

Physical Fitness Class Is Limited To Tuesday

Physical fitness classes for men have been being held twice a week at the Oak Ridge High School gymnasium . . . Tuesdays and Thursdays.

The Thursday classes have been terminated.

All Carbide men are welcome to participate in the gymnastics. A qualified instructor is on hand to help.

(Women may take their P.T. on Monday nights.)

KNOCKS ONLY ONCE

It is very hard to fight temptation. There is always the nagging thought that it may not come again.



THE FIREBALLS RIDE CURRENTLY on top of standings in C Bowling circles. They are front row from left, B. E. Reneau and Jim McLain. In back are Captain George McPherson, V. C. Beckner, and Howard Horne.

Recreation



calendar

Saturday, November 18

GAME NIGHT: E, F, G, H and J Shifts. 7:30 p.m. Green Room, Ridge Recreation Hall. 18 games for \$1.50. All Y-12ers welcome.

Monday, November 20

BOWLING: 5:45 p.m., C League, Ark Lanes.

TABLE TENNIS: 7 p.m., Oak Ridge Wildcat's Den.

PHYSICAL FITNESS: (For Women) 7:30 p.m., Oak Ridge High School Girls' Gym.

Tuesday, November 21

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

Thursday, November 23

THANKSGIVING HOLIDAY. Holiday for Y-12ers.

Carefully account for classified documents.

Fireballs Leap Into C Alley Top

The Fireballs fired back last week to gain a three-point lead on standings in the C Bowling League. They downed the Rodders by four. Also taking four it was the Rollmasters over the HiLifers, the Rounders past the Sunflowers. The Invalids took three from the Royal Flush. The Parbusters and King Pins . . . and the Big Five and Badgers shared two.

Clyde Craven, Rollmasters, rolled a 232 high single game. Fred Clabough, HiLifers, posted a 254 handicap single. Craven's 616 scratch series was high . . . and Frank Winstead, Rollmasters, put a 680 handicap series on record.

The Rollmasters rolled in top form last week . . . with a 916 scratch single count . . . and series of 2639 scratch, 3044 handicap! The Parbusters rolled a new season high in singles of 1075 handicap.

League standings follow:

Team	W	L
Fireballs	24	12
Badgers	21	15
Rollmasters	21	15
Sunflowers	21	15
Rounders	20	16
King Pins	20	16
Big Five	19	17
Royal Flush	18	18
Rodders	14	22
HiLifers	13	23
Parbusters	13	23
Invalids	12	24



Ride wanted or will join car pool from 129 West Farragut Road, Oak Ridge, to North or Central Portal, straight day. W. N. Shipley, plant phone 3-5958, home phone Oak Ridge 482-2368.

Car pool member wanted from Norwood Area, Knoxville, to Central or North Portal, straight day. Eugene Keith, plant phone 3-5606, home phone Knoxville 689-2229.



BILLY WEBB, BIOLOGY UTILITIES, brought down this eight-point buck on November 3 at Catoosa. The live weight of the big buck was 216 pounds and he dressed down to 170 pounds. Good eating, too!



SGT. CHARLES G. NELSON recently saved his bunker at the "Red Warriors" fire support base recently in Vietnam. His action prevented a disastrous explosion near Pleiku, saving countless lives. Nelson is the son of C. L. Nelson, Buildings, Grounds, and Maintenance Shops.

Fast Action By Nelson Son Saves Ammo Bunker From Fire In Vietnam

Fast action by the son of a Y-12er saved an ammo bunker recently near Pleiku, Vietnam.

The bravery of a mortar man from the Fourth Infantry Division's First Battalion, Second Infantry, prevented a disastrous explosion when a fire started in a waste pit near the bunker at the "Red Warriors" fire support base.

Sgt. Charles G. Nelson, Caryville, ran next to the fire and threw 20 mortar rounds away from the flames.

"We had been firing the mortars all night long and had been throwing our cardboard canisters and extra powder charges into the pit. We were getting more rounds ready when somehow it caught fire," Nelson said.

The danger was over as soon as Sgt. Nelson removed the rounds that they had been preparing. The fire was then allowed to burn itself out.

Why did Nelson rush up to the fire in the face of obvious danger?

"I don't know," he told the Stars & Stripes, "I was scared, I guess. I know that if any of those rounds had gone off the bunker would have gone up too."

Nelson was evacuated to the 18th Surgical Hospital in Pleiku.

President Rush Speaks Before Senate Committee

Kenneth Rush, president of Union Carbide, recently spoke before the U.S. Senate Finance Committee hearings, warning that unless the domestic chemical industry is allowed the same access to low-cost petroleum raw materials that its competitors enjoy, the industry's health, employment, ability to compete for markets all over the world, and its large contribution to the balance of payments will be jeopardized. Rush appeared on behalf of Celanese Corporation, The Dow Chemical Company, E. I. du Pont de Nemours and Company, Eastman Kodak Company, Hercules Incorporated, Monsanto Company, National Distillers and Chemical Corporation, Olin Mathieson Chemical Corporation, Publicker Industries, Inc., as well as Union Carbide.

Manly To Speak To ASM Tonight

The Oak Ridge Chapter of the American Society for Metals will meet tonight Wednesday, November 15 at the Oak Ridge Country Club. The meeting begins at 6:30 p.m. with a social hour, dinner at 7, coffee talk at 7:45, with the main technical address at 8:15.

Coffee speaker is A. P. Litman, ORNL, who will discuss the status of planning for the Southern Metals Conference.

W. D. Manly, general manager for new products in the Material Systems Division of Union Carbide Corporation, will speak on "Development of New Alloys."

Manly was educated at Antioch College, University of Notre Dame, and the University of Tennessee.

He was associated with ORNL from 1949 to 1964 where he was associate director, Metallurgy Division, and later director of the gas-cooled reactor program. In 1964, he was appointed manager, Materials Research for Union Carbide with headquarters in New York, with responsibility for technical programs for UCC in Tarrytown, New York; Parma, Ohio; and Brussels, Belgium. In 1965, he was appointed director of technology for the Satellite Division. In his present position, he is responsible for market planning and sales of refractory metals, powders and powder parts, metal ceramics, porous metals and advanced systems.

Tonight is Past Chairman's Night with special recognition being planned for those who have served previously as chairmen of the Oak Ridge Chapter of ASM.

Gilliam Rites In Lenoir City

The General Machine Shop mourns the passing of Mr. Marion F. Gilliam, who died Sunday, November 5, at his Route 2, Lenoir City home.

A native of Lenoir City, Mr. Gilliam was a veteran of the U. S. Navy, and had worked with the Gilliam and Richesin Machine Company, Gilliam Machinery, Athens; and the Fisher Body Company, Detroit, before coming here June 27, 1951.

He is survived by his wife Mrs. Evelyn Knox Gilliam, daughters, Sherry and Marta Kay Gilliam, at home; and a son A-1/C Marion Gilliam Jr. His mother Mrs. Simon Farmer, Alcoa; and a sister Mrs. Claude Hicks, Niota, also survive. Mr. Gilliam's brother, James L. Gilliam, also of Niota, works in Y-12's Alpha Five Machine Shop.

Funeral services were held Tuesday, November 7, at 2 p.m. at Click's Chapel, Lenoir City, with the Reverends Walter Chestnut and Jack Moser officiating. Interment followed in Loudon County Memorial Gardens.

Sincere sympathy is extended the Gilliam family.

Glenn Miller's pioneering efforts with Air Force music. The present group carries on the old traditions dressed up with their own big band sound. The appearance of this widely known dance and jazz group is sponsored as a public service by the Oak Ridge Civic Music Association in cooperation with the Air Force.

where he was treated for smoke inhalation.

The young serviceman plans to be back stateside by the first week of December.

His father, C. L. Nelson is in Y-12's Buildings, Grounds and Maintenance Shops.

2 New 'Atom' Books Available

Two new booklets published by the Atomic Energy Commission as part of its "Understanding the Atom" series, are now available free from the AEC here.

"Animals in Atomic Research," by Edward R. Ricciuti, and "The Chemistry of the Noble Gases," by Cedric L. Chernick, bring to 43 the number of booklets available in this highly diversified series concerning the peaceful uses of atomic energy.

In "Animals in Atomic Research," Ricciuti of the New York Zoological Society, tells about the variety of animals helping AEC scientists determine the effects of nuclear radiation in life.

Dr. Chernick, a native of England and currently with AEC's Argonne National Laboratory, describes the "noble gases"—helium, neon, argon, krypton, xenon and radon—and traces their early history up to present.

The booklet series is planned and edited by the AEC Division of Technical Information in Washington, and printed at the Division of Technical Information Extension, Oak Ridge. Single copies of series booklets are available without charge by writing to the U.S. Atomic Energy Commission, P. O. Box 62, Oak Ridge, Tennessee 37830.

Airmen Of Note Give Special Free Concert

Airmen of Note, the official dance orchestra of the United States Air Force will present a free concert in Oak Ridge this week. The program will be at the Oak Ridge High School Auditorium, Friday, November 17, beginning at 8:15 p.m.

The history of this group dates back to 1942 and the late Major



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WINFRED RAY AND OSCAR BLACKWELL, left to right, congratulate Gilbert L. Carson, Utilities, on the successful completion of an ICS course on Refrigeration and Air Conditioning. Gib completed the correspondence school with grades in the A and B ratings. Congratulations, Carson.

Utilities' Carson Graduates From ICS Course In Refrigeration-Air Conditioning

Gilbert L. Carson, Utilities Administration, was notified recently that he had successfully completed the famed International Correspondence School course in Refrigeration and Air Conditioning.

Carson came to Y-12 December 13, 1954 . . . and has worked on the ICS course less than three years.

Gib lives at 504 12th Street, LaFollette, with his family. His wife is the former Betty Bell . . . and they have four sons . . . William, co-opping at K-25; Danny and James, who attend LaFol-

lette High School, and Roger in the first grade.

Included in the extensive course set out by the ICS are the following subjects: Practical Arithmetic (in six parts); Formulas, Geometry, Trigonometry, Engineering Mechanics, Fluid Mechanics, Elementary Chemistry, Refrigeration (in three parts), Electricity, Refrigeration Compressors, Refrigeration Auxiliaries, Absorption Apparatus, Pumping Apparatus, Applications of Refrigeration, Domestic Refrigeration (in eight parts), Ice-Cream and Dairy Refrigeration, and Insulation.

Carson accomplished all of the ICS-sponsored course under the Carbide Education Assistance Program. He made A's and B's for the entire curriculum . . . mostly A's.

Congratulations!

Underwater Welding Developed By Carbide

Working together, Union Carbide's Linde Division and Ocean Systems, a subsidiary, have developed a new underwater welding of submerged structures and pipelines.

It makes use of modified, tungsten inert gas welding equipment. In a recent demonstration, welding was performed on a "hot tap" for the Humble Pipe Line Company. It involved tying a six-inch connection into a 10-inch pipeline while the latter remained in full operation in more than 100 feet of water in the Gulf of Mexico.

Know when to zip your lip.

Welding Society Will Sponsor Lecture Series

The Northeast Tennessee Section of the American Welding Society is sponsoring a two-lecture education series on brazing. The first lecture, entitled "High Temperature Brazing," will be presented by Forbes M. Miller, Wall-Colmonoy Corporation. Miller's lecture will be given at 8 p.m. Tuesday, November 21, at ORAU, Room W-18, Special Training Division, Laboratory Road, Oak Ridge.

The second lecture, on "Silver-Brazing," will be given by Robert Thompson, Handy and Harmon. Thompson's lecture will be given at 8 p.m. Tuesday, December 5, at the same location.

All persons who would like to learn more about the field of brazing are invited to attend. Additional information on both lectures may be obtained from A. J. Moorhead, extension 3-7346.